CLAIMS

We claim:

- 5 1. A method of producing analgesia in a mammal experiencing pain, comprising administering to the mammal a synergistically analgesic effective combination of an opioid analgesic agent and a compound that binds to the SS1 or SS2 subunit of a sodium channel in a pharmaceutically suitable vehicle.
 - The method of claim 1, wherein the opioid is selected from the group consisting of morphine, codeine, methadone and fentanyl.
- 15 The method of claim 1, wherein the opioid and the compound that binds to the SS1 or SS2 subunit of a sodium channel are administered together in single one dosage at synergistically analgesic effective doses.
- 20 The method of claim 1, wherein the opioid and the compound that binds to the SS1 or SS2 subunit of a sodium channel are administered in separate dosage forms at synergistically

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analgesic effective doses.

- 5. The method of claim 1, wherein the administering is intrathecally or intramuscularly.
- 6. The method of claim 1, wherein the compound that binds to the SS1 or SS2 subunit of a sodium channel is tetrodotoxin or a derivative thereof.
- 7. The method of claim 1, wherein the opioid is morphine.
- 8. The method of claim 7, wherein the opioid is morphine.
- 9. The method of claim 6, wherein the effective dose of tetrodotoxin is from 0.01 µg per kilogram body weight to 20 µg per kilogram body weight.
 - 10. The method of claim 8, wherein the effective dose of morphine is from 0.002 mg per kilogram body weight to 20 mg per kilogram body weight.
 - 11. The method of claim 6, wherein the sodium channel blocking

compounds is a composition comprising at least one of tetrodotoxin, anhydrotetrodotoxin, tetrodaminotoxin, methoxytetrodotoxin, ethoxytetrodotoxin, deoxytetrodotoxin or tetrodonic acid.

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- 12. The method of claim 1, wherein the compound that binds to the SS1 or SS2 subunit of a sodium channel is saxitoxin or a pharmaceutically acceptable salt thereof.
- 13. The method of claim 12, wherein the effective dose of saxitoxin is from 0.01 μg per kilogram body weight to 20 μg per kilogram body weight.
- 14. The method of claim 13, wherein the saxitoxin is a compound comprising a tetrahydropurine moiety composed of two guanidine units fused together in a stable azaketal linkage, having a molecular formula $C_{10}H_{17}N_7O_4$.
- 15. A pharmaceutical composition comprising an opioid and a
 20 sodium channel blocker that specifically binds to the SS1 or SS2
 subunit of a sodium channel and a pharmaceutically acceptable
 carrier.

16. The pharmaceutical composition of claim 15, wherein the sodium channel blocker is tetrodotoxin represented by the formula I below:

17. The pharmaceutical composition of claim 15, wherein the sodium channel blocker is saxitoxin represented by the formula II below:

II

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- 18. The pharmaceutical composition of claim 15, wherein the opioid is selected from the group consisting of morphine, codeine, methadone and fentanyl.
- 5 19. The pharmaceutical composition of claim 16, wherein the opioid is selected from the group consisting of morphine, codeine, methadone and fentanyl.
 - 20. The pharmaceutical composition of claim 15, wherein the sodium channel blocker and the opioid are present in a ratio by weight of from 1:100 to 1:30,000.